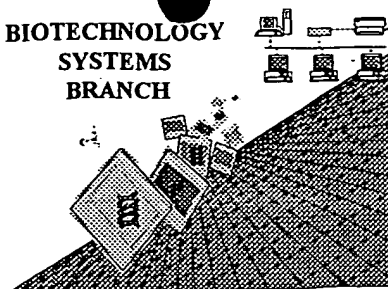# RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09/445,289_

Source: _1600 RUSH_

Date Processed by STIC: _8/27/2001_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).
Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

<u>Checker Version 3.0 can be down loaded from the USPTO website at the following address:</u>
http://www.uspto.gov/web/offices/pac/checker

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/445,289*

DATE: 08/27/2001
TIME: 22:42:02

INPUT SET: S36609.raw

[handwritten: pp 1-24]

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

[handwritten: Does Not Comply / Corrected Diskette Needed]

[handwritten: use upper-case letters for all headings]

SEQUENCE LISTING

```
 1        GENERAL INFORMATION:        [handwritten]
 2
 3   (1)      General Information:
 4
 5      (i) APPLICANT:    [handwritten: move up - all responses must be on same line as heading]
 6          (A) NAME: The University of Wales
 7          (B) STREET: Aberystwyth, Old College, King Street
 8          (C) CITY: Aberystwyth                        [delete]
 9          (E) COUNTRY: GB
10          (F) POSTAL CODE (ZIP): SY23 2AX
11
12          (A) NAME: Mukamolova, Galina V.    [handwritten: Move up under first applicant]
13          (B) STREET: ul. Oktyabrskaya d29 kv392
14          (C) CITY: g. Zheleznodorozhnii
15          (D) STATE: Moscow Region                     [delete]
16          (E) COUNTRY: Russia
17          (F) POSTAL CODE (ZIP): none
18
19          (A) NAME: Kaprelyants, Arseny S.
20          (B) STREET: Academician Anochin Street 38/1 Apt.28
21          (C) CITY: Moscow
22          (E) COUNTRY: Russia                          [delete]
23          (F) POSTAL CODE (ZIP): 117602
24
25          (A) NAME: Young, Danielle I.
26          (B) STREET: Bell Vue, Llanilar
27          (C) CITY: Ceredigion
28          (E) COUNTRY: GB                              [delete]
29          (F) POSTAL CODE (ZIP): SY23 4PG
30
31          (A) NAME: Kell, Douglas B.
32          (B) STREET: Symlog House, Cwm Symlog
33          (C) CITY: Ceredigion
34          (E) COUNTRY: GB                              [delete]
35          (F) POSTAL CODE (ZIP): SY23 3HA
36
37          (A) NAME: Young, Michael
38          (B) STREET: Belle Vue, Llanilar
39          (C) CITY: Ceredigion
40          (E) COUNTRY: GB                              [delete]
41          (F) POSTAL CODE (ZIP): SY23 4PG
42
43   (ii) TITLE OF INVENTION: Bacterial Pheromones and Uses Therefor
44
45   (iii) NUMBER OF SEQUENCES: 59
```

[handwritten: show only the applicants]

[handwritten: EPO format is invalid for U.S. application]

INPUT SET: S36609.raw

```
46
47     (v) (iv)  COMPUTER READABLE FORM:                          (v) CORRESPONDENCE ADDRESS:
48            (A) MEDIUM TYPE: Floppy disk                           (A) ADDRESSEE:
                                                                     (B) STREET:
49            (B) COMPUTER: IBM PC compatible                        (C) CITY:
                                                                     (D) STATE:
50            (C) OPERATING SYSTEM: PC-DOS/MS-DOS                    (E) COUNTRY:
51            (D) SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  (F) ZIP:
52
53     (vi) (v)  CURRENT APPLICATION DATA:
54            (A) APPLICATION NUMBER:  Not Assigned
55            (B) FILING DATE:
56     (vi)   PRIOR APPLIATION DATA:
57     (vii)   (A) APPLICATION NUMBER: PCT/GB98/01619
58            (B) (b) FILING DATE: 03-MAY-1998
59
60     (vii) (vi)  PRIOR APPLICATION DATA:
61            (A) APPLICATION NUMBER: GB 9711389.8
62            (B) FILING DATE: 04-JUN-1997
63
64     (viii)(vi)  PRIOR APPLICATION DATA:
65            (A) APPLICATION NUMBER: GB 9811221.2
66            (B) FILING DATE: 27-MAY-1998
67
68
```

add these mandatory headings and response for a U.S. case

ERRORED SEQUENCES FOLLOW:

```
1705   (2) INFORMATION FOR SEQ ID NO:53:
1706
1707        (i) SEQUENCE CHARACTERISTICS:
1708            (A) LENGTH: 27 base pairs
1709            (B) TYPE: nucleic acid
1710            (C) STRANDEDNESS: single
1711            (D) TOPOLOGY: linear
1712
1713
1714
1715        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:53:
1716
1717   ATCAGGATCC ATATTATTAG TTTAAGA                                        27
1718
1719
1720   (2) INFORMATION FOR SEQ ID NO:54:
1721
1722        (i) SEQUENCE CHARACTERISTICS:
1723            (A) LENGTH: 663 base pairs
1724            (B) TYPE: nucleic acid
1725            (C) STRANDEDNESS: single stranded
1726            (D) TOPOLOGY: linear
1727
1728
```

insert opening parenthesis

```
1729        (ix) FEATURE:
1730                (A) NAME/KEY: CDS
1731                (B) LOCATION: 1..663
1732
1733
1734        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:54:
1735
1736   atg act ctc ttc acc act tcc gcc acc cgc tcc cgc cgt gcc acc gcc    48
1737   Met Thr Leu Phe Thr Thr Ser Ala Thr Arg Ser Arg Arg Ala Thr Ala
1738    1               5                  10                  15
1739
1740   tcg atc gtc gcg ggc atg acc ctc gcc ggc gcc gcc gcc gtg ggc ttc    96
1741   Ser Ile Val Ala Gly Met Thr Leu Ala Gly Ala Ala Ala Val Gly Phe
1742                20                  25                  30
1743
1744   tcc gcc ccg gcc cag gcc gcc acc gtg gac acc tgg gac cgc ctc gcc   144
1745   Ser Ala Pro Ala Gln Ala Ala Thr Val Asp Thr Trp Asp Arg Leu Ala
1746                35                  40                  45
1747
1748   gag tgc gag tcc aac ggc acc tgg gac atc aac acc ggc aac ggc ttc   192
1749   Glu Cys Glu Ser Asn Gly Thr Trp Asp Ile Asn Thr Gly Asn Gly Phe
1750        50                  55                  60
1751
1752   tac ggc ggc gtg cag ttc acc ctg tcc tcc tgg cag gcc gtc ggc ggc   240
1753   Tyr Gly Gly Val Gln Phe Thr Leu Ser Ser Trp Gln Ala Val Gly Gly
1754    65                  70                  75                  80
1755
1756   gaa ggc tac ccg cac cag gcc tcg aag gcc gag cag atc aag cgc gcc   288
1757   Glu Gly Tyr Pro His Gln Ala Ser Lys Ala Glu Gln Ile Lys Arg Ala
1758                85                  90                  95
1759
1760   gag atc ctc cag gac ctg cag ggc tgg ggc gcg tgg ccg ctg tgc tcg   336
1761   Glu Ile Leu Gln Asp Leu Gln Gly Trp Gly Ala Trp Pro Leu Cys Ser
1762                100                 105                 110
1763
1764   cag aag ctg ggc ctg acc cag gct gac gcg gac gcc ggt gac gtg gac   384
1765   Gln Lys Leu Gly Leu Thr Gln Ala Asp Ala Asp Ala Gly Asp Val Asp
1766                115                 120                 125
1767
1768   gcc acc gag gcc gcc ccg gtc gcc gtg gag cgc acg gcc acc gtg cag   432
1769   Ala Thr Glu Ala Ala Pro Val Ala Val Glu Arg Thr Ala Thr Val Gln
1770                130                 135                 140
1771
1772   cgc cag tcc gcc gcg gac gag gct gcc gcc gag cag gcc gct gcc gcg   480
1773   Arg Gln Ser Ala Ala Asp Glu Ala Ala Ala Glu Gln Ala Ala Ala Ala
1774   145                 150                 155                 160
1775
1776   gag cag gcc gtc gtc gcc gag gcc gag acc atc gtc gtc aag tcc ggt   528
1777   Glu Gln Ala Val Val Ala Glu Ala Glu Thr Ile Val Val Lys Ser Gly
1778                165                 170                 175
1779
1780   gac tcc ctc tgg acg ctc gcc aac gag tac gag gtg gag ggt ggc tgg   576
1781   Asp Ser Leu Trp Thr Leu Ala Asn Glu Tyr Glu Val Glu Gly Gly Trp
```

INPUT SET: S36609.raw

```
1782              180                   185                  190
1783
1784  acc gcc ctc tac gag gcc aac aag ggc gcc gtc tcc gac gcc gcc gtg    624
1785  Thr Ala Leu Tyr Glu Ala Asn Lys Gly Ala Val Ser Asp Ala Ala Val
1786          195                   200                  205
1787
1788  atc tac gtc ggc cag gag ctc gtc ctg ccg cag gcc tga              663
1789  Ile Tyr Val Gly Gln Glu Leu Val Leu Pro Gln Ala
1790          210                   215                  220
1791
1792
```

```
1793   (2) INFORMATION FOR SEQ ID NO:55:
1794
1795
1796         (i) SEQUENCE CHARACTERISTICS:
1797              (A) LENGTH: 6 amino acids
1798              (B) TYPE: amino acid
1799              (D) TOPOLOGY: linear
1800
1801
1802         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:55:
1803
1804         Ala Pro Pro Ala Asp Leu
1805         1              5
1806
```

```
1849   (2) INFORMATION FOR SEQ ID NO:59:
1850
1851         (i) SEQUENCE CHARACTERISTICS:
1852              (A) LENGTH: 4 amino acids
1853              (B) TYPE: amino acid
1854              (D) TOPOLOGY: linear
1855
1856
1857
1858         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:59:
1859
1860         Ala Val Asn Asp
1861         1
1862
1863
1864   1
1865
1866        delete at end of file
1867  -31
1868
1869
1870
```

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION   *US/09/445,289*

INPUT SET: S36609.raw

Line	Error	Original Text
5	Mandatory Value Not Present	(i) APPLICANT:
6	Unknown or Misplaced Identifier	(A) NAME: The University of Wales
7	Unknown or Misplaced Identifier	(B) STREET: Aberystwyth, Old College, King Street
8	Unknown or Misplaced Identifier	(C) CITY: Aberystwyth
9	Unknown or Misplaced Identifier	(E) COUNTRY: GB
10	Unknown or Misplaced Identifier	(F) POSTAL CODE (ZIP): SY23 2AX
12	Unknown or Misplaced Identifier	(A) NAME: Mukamolova, Galina V.
13	Unknown or Misplaced Identifier	(B) STREET: uL. Oktyabrskaya d29 kv392
14	Unknown or Misplaced Identifier	(C) CITY: g. Zheleznodorozhnii
15	Unknown or Misplaced Identifier	(D) STATE: Moscow Region
16	Unknown or Misplaced Identifier	(E) COUNTRY: Russia
17	Unknown or Misplaced Identifier	(F) POSTAL CODE (ZIP): none
19	Unknown or Misplaced Identifier	(A) NAME: Kaprelyants, Arseny S.
20	Unknown or Misplaced Identifier	(B) STREET: Academician Anochin Street 38/1 Apt.28
21	Unknown or Misplaced Identifier	(C) CITY: Moscow
22	Unknown or Misplaced Identifier	(E) COUNTRY: Russia
23	Unknown or Misplaced Identifier	(F) POSTAL CODE (ZIP): 117602
25	Unknown or Misplaced Identifier	(A) NAME: Young, Danielle I.
26	Unknown or Misplaced Identifier	(B) STREET: Bell Vue, Llanilar
27	Unknown or Misplaced Identifier	(C) CITY: Ceredigion
28	Unknown or Misplaced Identifier	(E) COUNTRY: GB
29	Unknown or Misplaced Identifier	(F) POSTAL CODE (ZIP): SY23 4PG
31	Unknown or Misplaced Identifier	(A) NAME: Kell, Douglas B.
32	Unknown or Misplaced Identifier	(B) STREET: Symlog House, Cwm Symlog
33	Unknown or Misplaced Identifier	(C) CITY: Ceredigion
34	Unknown or Misplaced Identifier	(E) COUNTRY: GB
35	Unknown or Misplaced Identifier	(F) POSTAL CODE (ZIP): SY23 3HA
37	Unknown or Misplaced Identifier	(A) NAME: Young, Michael
38	Unknown or Misplaced Identifier	(B) STREET: Belle Vue, Llanilar
39	Unknown or Misplaced Identifier	(C) CITY: Ceredigion
40	Unknown or Misplaced Identifier	(E) COUNTRY: GB
41	Unknown or Misplaced Identifier	(F) POSTAL CODE (ZIP): SY23 4PG
45	Number of Sequences (59) Doesn't Equal Actual Count (58)	(iii) NUMBER OF SEQUENCES: 59
1734	Wrong Sequence Number	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:54:
1793	Sequence 54 missing	(2) INFORMATION FOR SEQ ID NO:55:

SEQUENCE MISSING ITEM REPORT
PATENT APPLICATION   US/09/445,289

INPUT SET: S36609.raw

ADDRESSEE
STREET
CITY
STATE
COUNTRY
ZIP
CORRESPONDENCE ADDRESS
APPLICATION NUMBER
FILING DATE
CLASSIFICATION